New Area under Irrigation

1154. SHRI ALADI ARUNA *alias* V. ARUNACHALAM: Will the Minister of WATER RESOURCES be pleased to state:

(a) what is the rate of growth in bringing new areas under irrigation during the last three financial years to till date; and

(b) what are the fresh measures taken by the Government to increase the coverage of land for irrigation?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRIMATI KRISHNA SAHI): (a) The total anticipated increase in irrigation potential during the period 1985-88 is approximately 6.2 m. ha.

(b) The fresh measures taken include provision of additional outlays for accelerating the completion of irrigation projects under drought relief programme and the special food grain production programme which would bring additional areas under irrigation.

Development of Technology

1155. SHRI ASHOK NATH VERMA: Will the PRIME MINISTER be pleased to state:

(a) what are the names of the products/items from which know-how and technology have been indigenously developed for transfer by Bhabha Atomic Research Centre (BARC) Trombay, as on date, item-wise and Party-wise and terms and conditions for transfer of such know-how and technology and total cost of the project, product-wise; and

(b) whether these units are going to be ancillary units of BARC or otherwise and marketing scope of such products indigenously/Exportable, item-wise?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND THE MINISTER OF STATE IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, ELECTRONICS AND SPACE (SHRI K. R. NARAYANAN): (a) The activity of technology transfer for products and processes was started at BARC relatively recently. BARC has already transferred 29 Technologies. 24 more Technologies are ready for transfer as soon as interested industry is identified There are 24 other Technologies which are being procesed and evaluated for transfer. The Technologies transferred and other relevant information are given below:—

Sl. No.	Technology	Transferred to	Date	Transfer fee	
				Lump-sum	Royalty (Rs. in lakhs)
1.	Bilirubin strips	M/s Duphar interfan Ltd., Bombay	2-5-85	0.25	5%
		M/s Water-Chem Labs, Hyderabad	22-1-86	0.25	5%
2.	Infra Red Carbon Monoxide Analyser	M/s Rajasthan Electronics & Instruments Ltd., Jaipur	29-1-87	2.50	Nil
3.	Carbon Monoxide Monitor	Do.	29-1-87	0.25	Nil
4.	Nitric Oxide Monitor	Do.	29-1-87	1.50	Nil
5.	Sulphur Dioxide Monitor	Do.	29-1-87	0.60	Nil

Sl. No.	Technology	Transferred to	Date	Transfer Fee Lump-sum (Rs. in lakhs)	Royalty
6.	Ozone Generator	M/S. Rajasthan Electronics & Instruments Ltd., Jaipur	29-1-87	0.10	Nil
7.	Nox and NH3 to no Converter	Do.	29-1-87	0 75	Nil
8.	Ozone Monitor	Do.	29-1-87	0.30	Nil
9.	Air Quality Data Processor	Do.	29-1-87	0.20	Nil
10.	Space Quality Silicon Solar Cells	M/s Bharat Heavy Electricals Ltd., New Delhi	3-3-82	Nil	2%
11.	Microprocessor Based PABX/PAX	M/s Central Electronics Ltd., Sahibabad	24-8-83	2.00	3%
12.	Automatic Fraction Collector	M/s Wizard Electronics, Kota	13-9-83	0.25	Nil
13.	Surface Area Measuring Apparatus	Do.	13-9-83	0.15	Nil
14.	X-Ray Generator Power Supply	M/s Radon House Pvt. Ltd., Calcutta	20-8-86	1.10	3%
15.	Electro-mechanical Actubator	M/s Project and Equipment Development Corporation, Mohali	15-5-87	0.25	Nil
		M/s Semitronic Industries, Ahmedabad	12-10-87	0.25	Nil
16.	Low Carbon Ferroalloys	M/s Ratlam Thermit Co., Ratlam	23-2-83	0.23	Nil
17.	Osmotic Dehydration of Fruits	M/s Hind Foods (?) Ltd., Delhi	17-3-83	0.37	3%
18.	Carbon Blocks/Bricks Refractory (Patent)	M/s Blast Carbo Blocks Pvt. Ltd., Bombay	6-7-83	0.10	3%
		Shri N.C. Mittal	31-12-83	0.10	3%
19.	Production of El mental Phosphorous	M/s Hoograjuli (A) Tea Co. Ltd., Calcutta	2-3-84	0.10	Nil
		M/s U.P. State Mineral Development Corporation Lucknow & M/s Dalal Consultant	10-7-86	0.10	Nil
20.	Enrichment of Nitrogen-15	M/s Rashtriya Chemical & Fertilisers, Bombay	11-5-84	0.40	Nil
21.	Production of Sulphur Hexafluoride	M/s Standard Mills Ltd., Bombay	18-1-85	3.00	Nil
22.	Advanced Pressure Electrolyser for Production of Hydrogen/Oxygen	M/s Gujarat Machinery Manufacturers, Baroda	17-4-85	0.40	Nil

Sl. No.	Technology	Transferred to	Date	Transfer fee Lump-sum	Transfer fee Royalty (Rs. in lakhs)
23.	Reverse Osmosis Plant	M/s Alweyn Pumps and Systems tem Pvt. Ltd., Bombay	10-4-86	0.20	3%
		M/s Glapfaser and Polymer, Bangalore	30-4-86	0.20	3%
		M/s Aquatreat Equipments, Vijayawada	8-9-86	0.20	3%
		M/s Industrial Boilers Pvt. Ltd., Bombay	22-9-86	0.20	3%
		M/s R.C.F. Ltd., Bombay	7-11-86	0.20	3%
24.	Boron Carbide B/C	M/s Baron Carbide (India) Pvt. Ltd., Bombay	28-1-87	1.00	4%
25.	Reverse Osmosis (Plate Module) Plant	M/s Alweyn Pumps and Systems Pvt. Ltd., Bombay	19-8-87	1.20	3%
		M/s R.C.F. Ltd., Bombay	19-11-87	1.20	3%
26.	Zirconium Oxide/Oxychloride	M/s Zirchem Industries (Bombay) Pvt. Ltd., Bombay	30-11-87	1.25	2%
		M/s Zircon Products Ltd., Kala AMB (Nahan) H.P. (Updated upto 8-7-88)	22-6-88	1.25	2%
27.	Gama Radiography Equipment	M/s Bhabha Radiation Engg. Co., Baroda	19-8-86	0.30	3%
28.	Technique of Mercury Inventory in Electrolatic Cell	M/s Radio Tracer Services, Bombay	15-3-85	0.45	Nil
29.	Gama Switch	M/s Comtek, Pune	13-10-86	0.25	3%
		M/s Roifa Technologies Pvt. Ltd., Hyderabad	12-10-87	0.25	3%

(b) No, Sir. These units are not going to be ancillary units of BARC. Preparation of detailed cost estimated and market survey of such products are carried out by Industry receiving the technology.

Delay in Completion of the Irrigation Projects of M.P.

1156. DR. ABRAR AHMED KHAN: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether it is a fact that lack of co-ordination, timely funds, man power and levy cement are some of the reasons causing heavy delays in the completion of the major national irrigation projects;

(b) if so, whether this has resulted in huge cost escalation;

(c) whether Government have advised States to give high priority for early completion of these projects; and

(d) if so, whether in the State of Madhya Pradesh it was found that due